

FIG.1

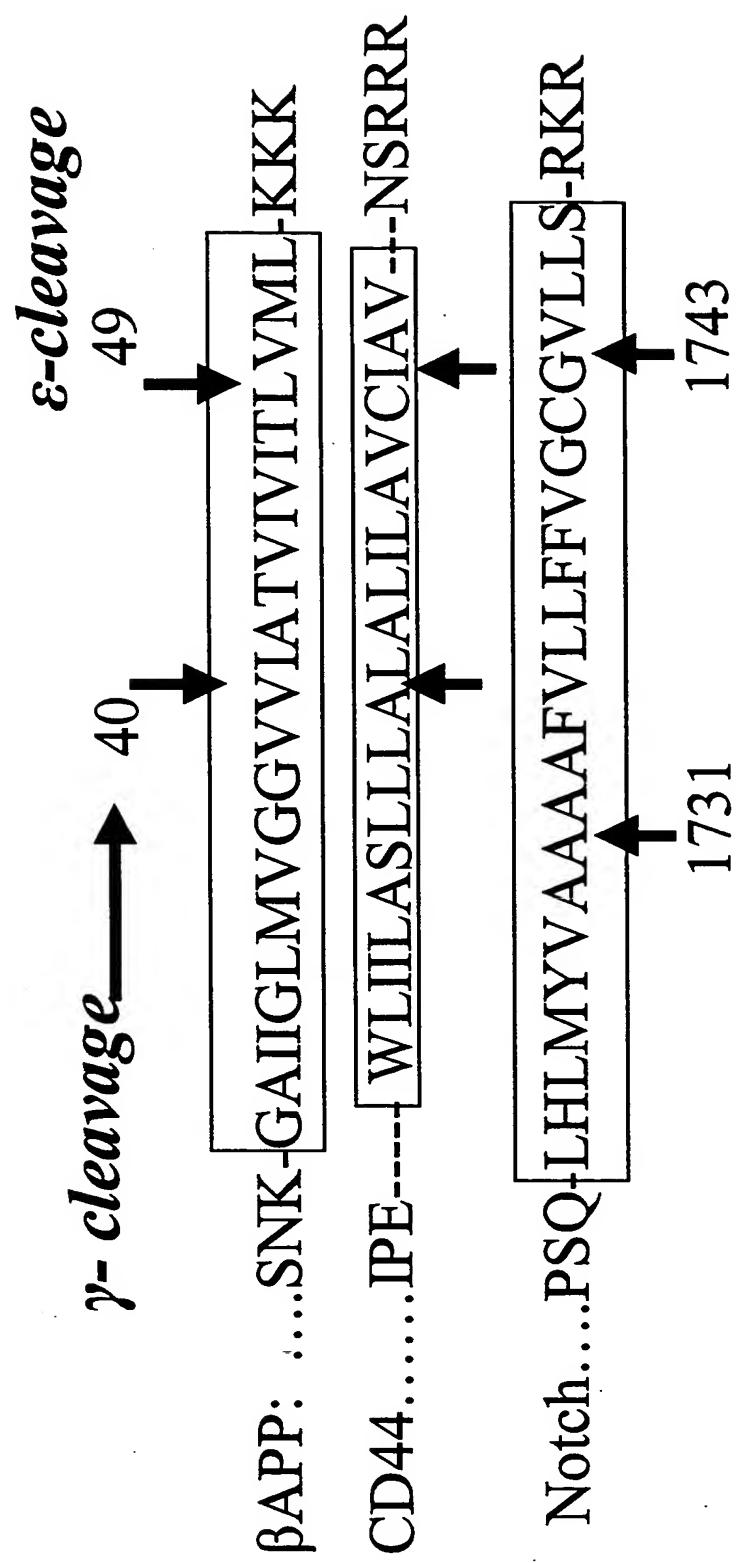
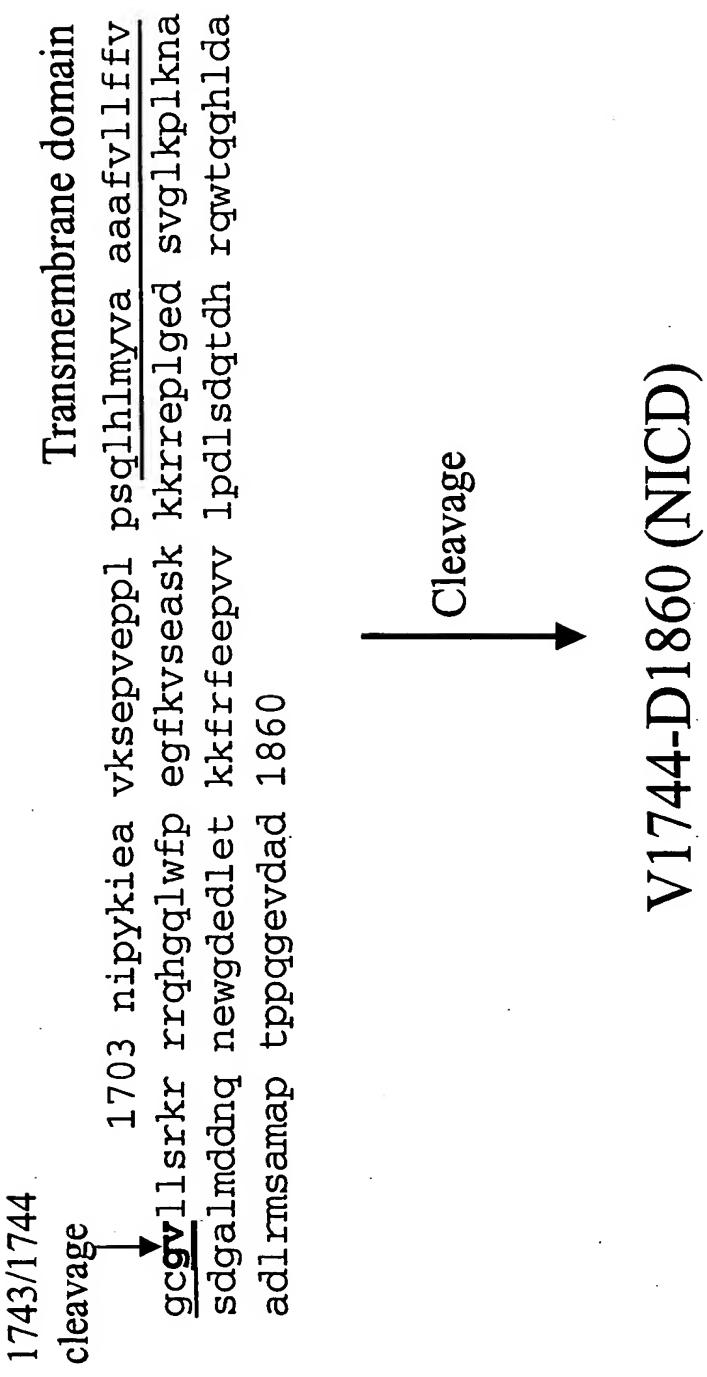


FIG. 2



Constructs for Notch Expression

FIG.3A

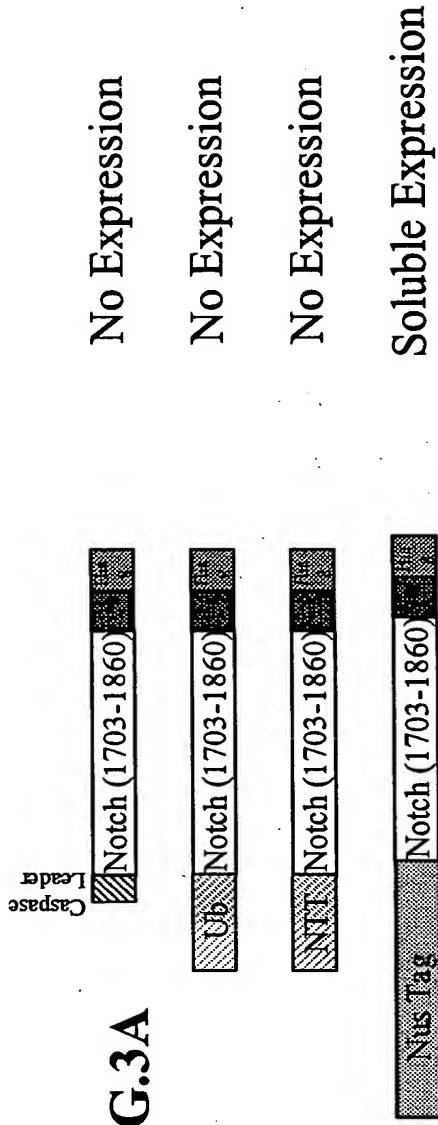


FIG.3B

Cloning of Nus-Notch

Notch F

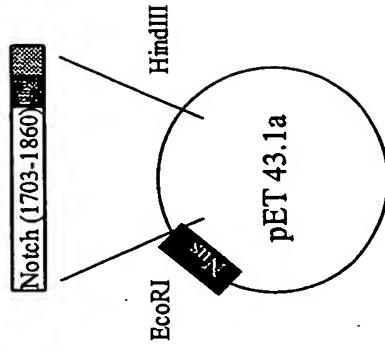
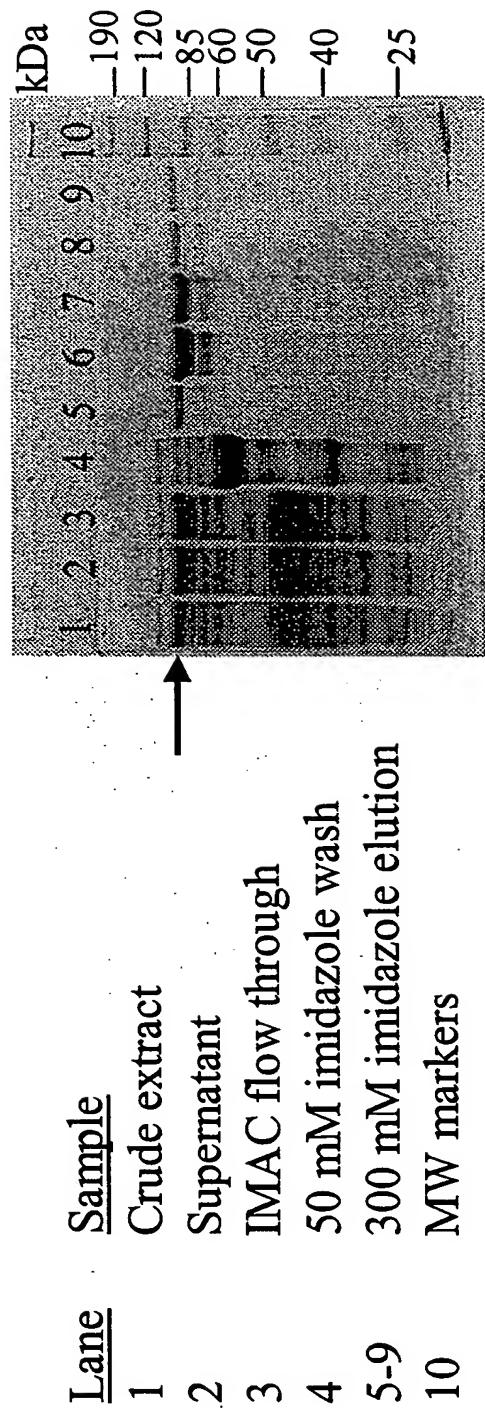


FIG. 4

Nus Tag | Notch (1703-1860) Nus Tag



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FIG. 5

<u>Lane</u>	<u>Sample</u>	1	2	3	4	5	6	7	8
1	Notch fusion (No γ -secretase)								
2	γ -secretase (No substrate)								
3	Notch + γ -secretase								
4	Notch + γ -secretase + 2 nM DAPT								
5	Notch + γ -secretase + 7.8 nM DAPT								
6	Notch + γ -secretase + 31.2 nM DAPT								
7	Notch + γ -secretase + 125 nM DAPT								
8	Notch + γ -secretase + 500 nM DAPT								

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FIG. 6

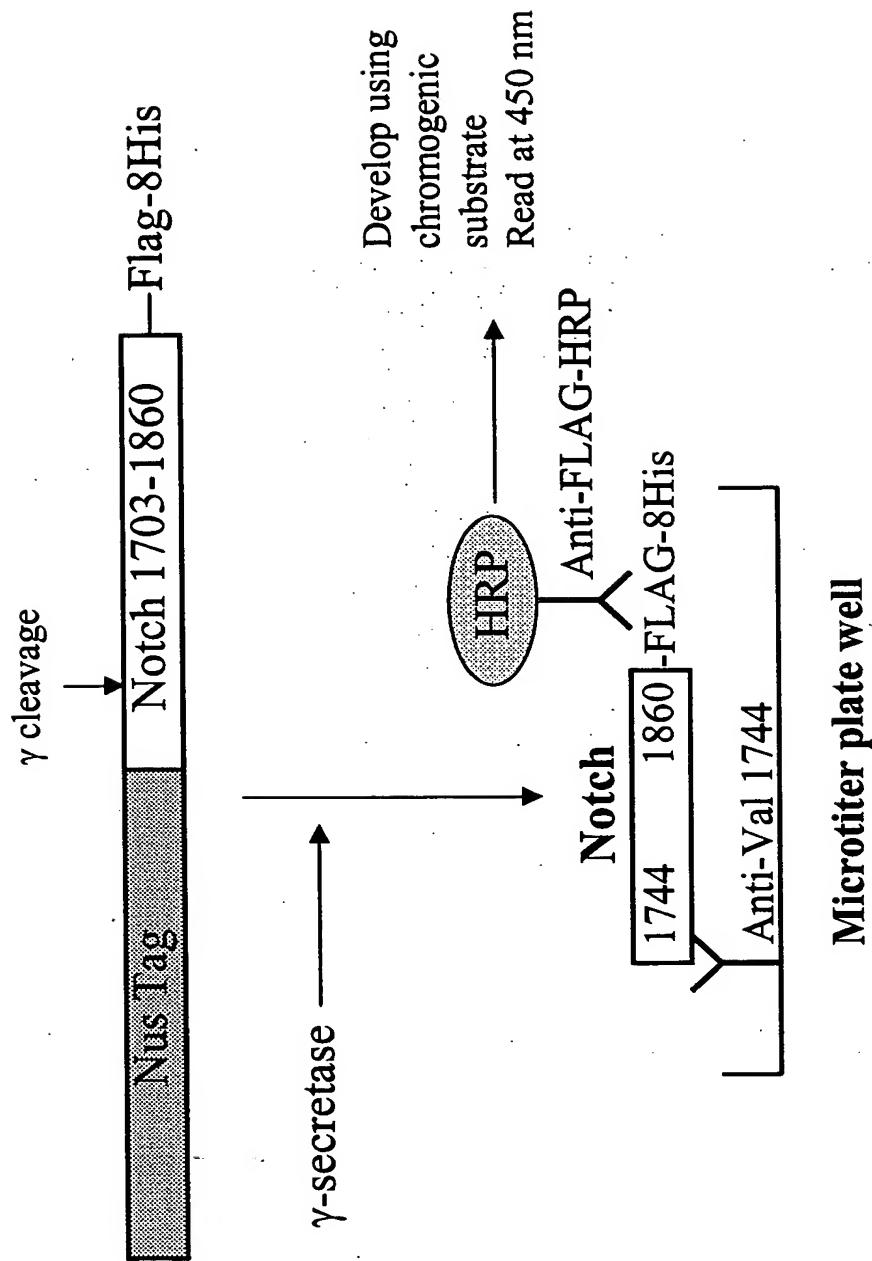


FIG. 7

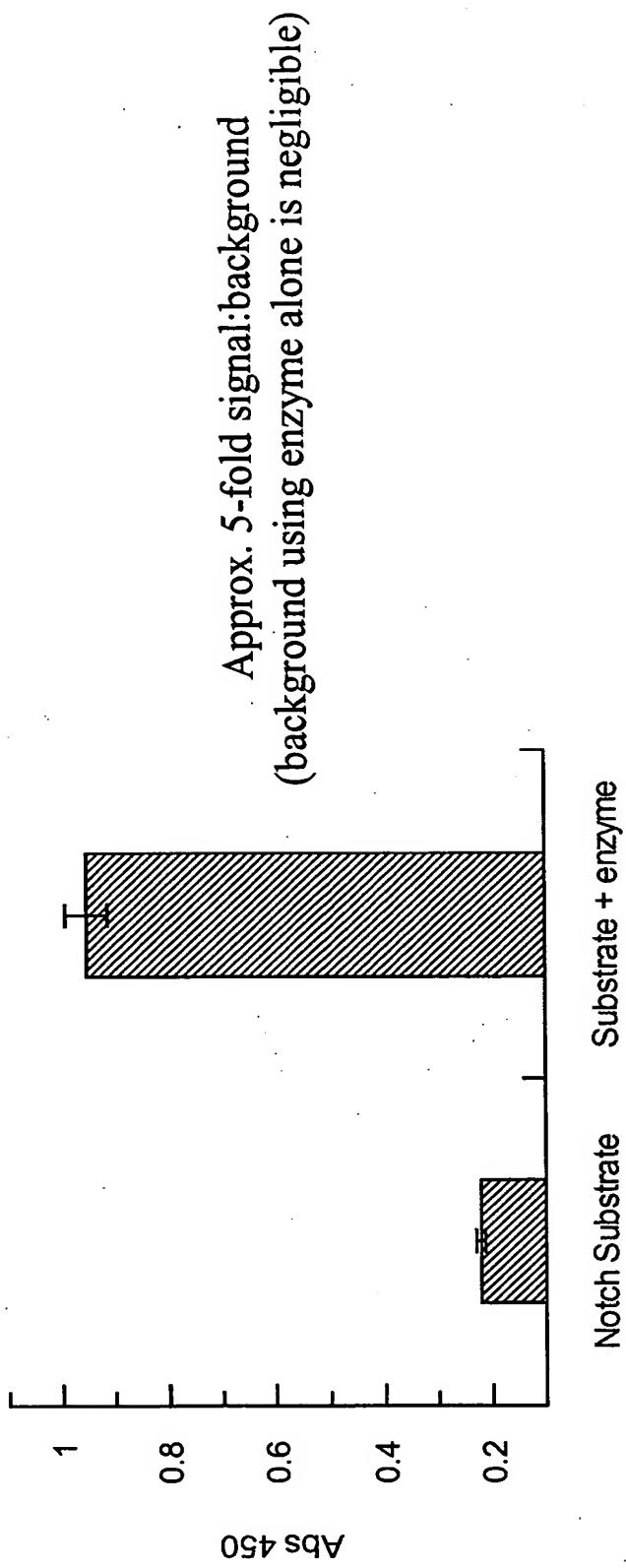
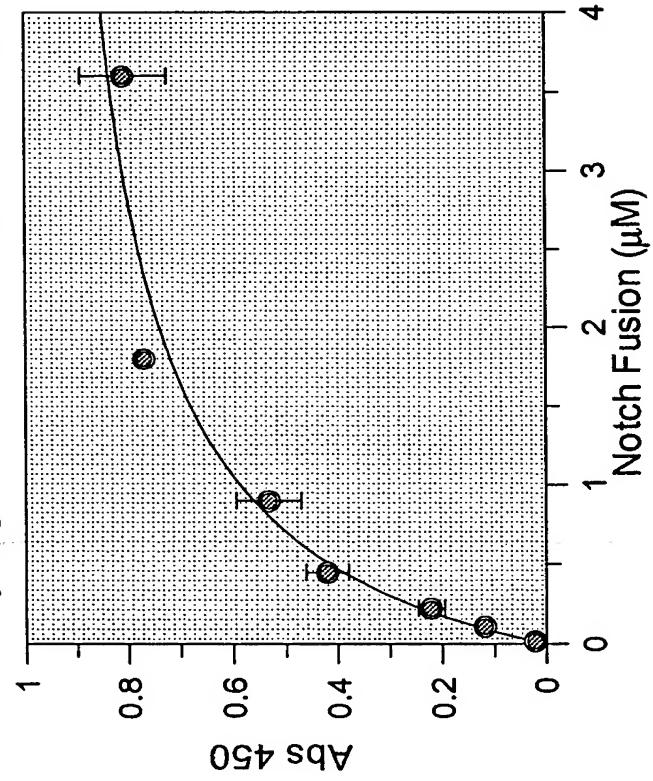


FIG. 8

Varying Substrate Concentration



Varying Enzyme Concentration

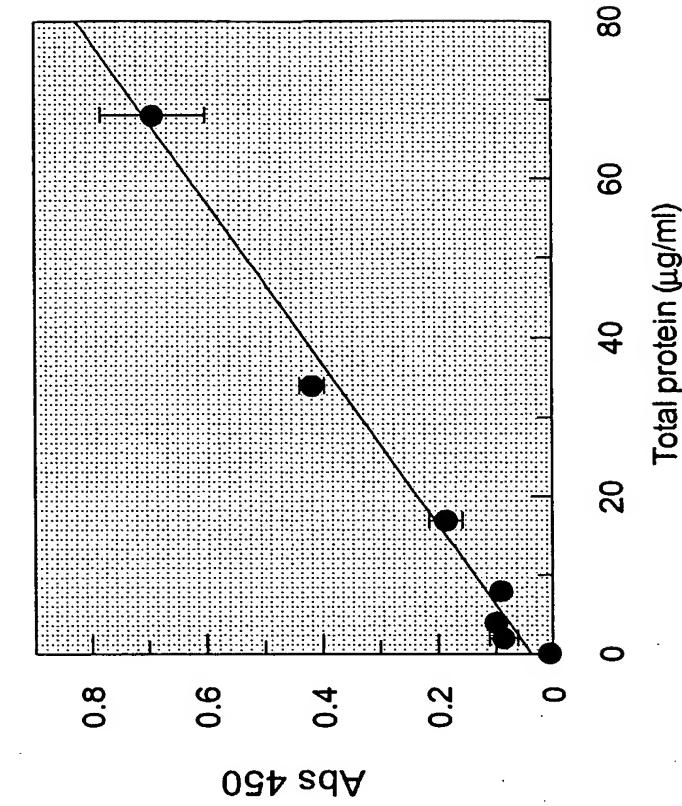
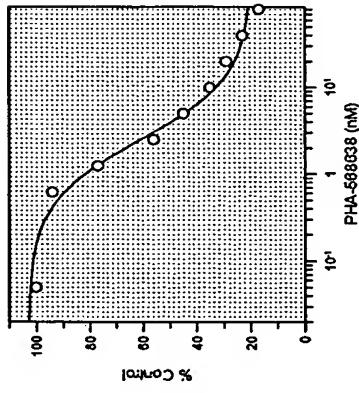
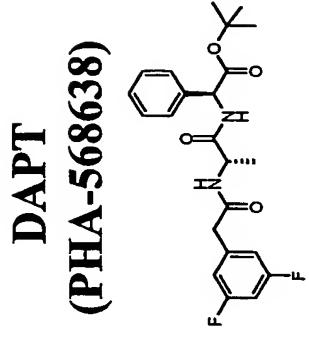
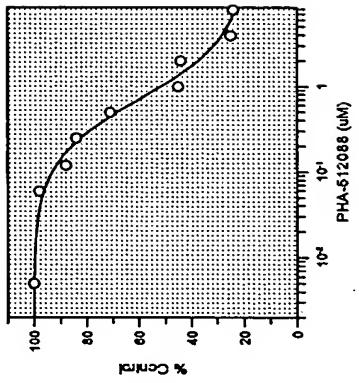


FIG. 9



$IC_{50} = 2.4 \text{ nM}$



$IC_{50} = 0.7 \mu\text{M}$